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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/825,673	04/03/2001	Brady Esch	CARDE.57307	4482
75	90 04/08/2004		EXAM	INER
Gunther Hanke			SIRMONS, KEVIN C	
Fulwider, Pattor	n, Lee & Utecht			
P.O. Box 22615	i		ART UNIT	PAPER NUMBER
Long Beach, CA 90801-5615 3763			15	
			DATE MAILED: 04/08/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary						
		09/825,673	ESCH ET AL.			
	· · · · · · · · · · · · · · · · · · ·	Examiner	Art Unit			
	The MAILING DATE of this communication an	Kevin C. Sirmons	3763			
Period f	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
THE - External control	MAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. It is period for reply specified above is less than thirty (30) days, a rep O period for reply is specified above, the maximum statutory period ure to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing the department of the provided period for reply will, by statute reply received by the Office later than three months after the mailing the department of the provided period for reply will, by statute reply received by the Office later than three months after the mailing the provided patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be tin ly within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status						
1)[Responsive to communication(s) filed on 26 J	lanuary 2004				
2a)□		s action is non-final.				
3)						
-/	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposit	ion of Claims	•				
•		a the englication				
4)[4)⊠ Claim(s) <u>27-37,44-47 and 73</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.					
5)□	Claim(s) is/are allowed.	ivii irom consideration.				
·	6) Claim(s) is/are allowed. 6) Claim(s) 27-37, 44-47 and 73 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.					
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•						
Applicat	ion Papers					
	•	er	•			
9) The specification is objected to by the Examiner.10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
. • , 🗀	Applicant may not request that any objection to the					
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority	under 35 U.S.C. § 119	•				
•	•	n priority under 35 U.S.C. & 119(a)	H-(d) or (f)			
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
	1. Certified copies of the priority documents have been received.					
•	2. Certified copies of the priority documen		on No			
	3. Copies of the certified copies of the price	ority documents have been receive	ed in this National Stage			
	application from the International Burea	au (PCT Rule 17.2(a)).				
* See the attached detailed Office action for a list of the certified copies not received.						
Attachmer		·	•			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152) Control of the process of t						

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DETAILED ACTION

Specification

The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: Barb reducer lacks proper antecedent basis. The specification supports Barb connector. (claim 29)

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 27, 28, 33-36, 44-47 and 73 are rejected under 35 U.S.C. 102(e) as being anticipated by Bertolero et al U.S. Pat. No. 5,868,703.

Bertolero discloses an aortic catheter system for segmenting and selectively perfusing an aorta comprising: (a) an elongated shaft (30) having a proximal end and a distal end, said elongated shaft of sufficient length to be inserted into an ascending aorta and guided transluminally such that the distal end is positioned in a descending aorta when in an operative position (figs. 4-13); (b) a flow control regulator (42) positioned on said elongated shaft such that when said distal end is in the operative position said flow control regulator is capable of at least partially occluding

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the descending aorta (figs. 4-13), a perfusion pump (22 and col. 15, lines 40-47), (d) a proximal portion of said elongated shaft having a corporeal perfusion lumen (34 or 36) and an arch perfusion lumen (34 or 36), said arch perfusion lumen having a proximal end in fluid communication with said perfusion pump and dimensioned to support corporeal circulation and said arch perfusion lumen having a proximal end in fluid communication with said perfusion pump and dimensioned to support arch circulation said arch perfusion lumen terminating as at least one or more arch perfusion port proximate to a patient's arch vessels (40); and (e) a distal portion of said elongated shaft extending beyond said proximal portion, terminating as at least one or more corporeal perfusion ports (37) distal to said flow control regulator; as to claim 28, (figs. 4-13); as to claim 33; (38); as to claims 34 and 35, (42); as to claim 36, (it is the examiner's position that since applicant's and Bertolero's device are used in similar regions of the heat, then the inflated outer diameter of both balloons would be approximately the same. If this were not the case then the device of Bertolero would not work); as to claim 44, (the entire catheter (from the proximal end to the distal end) is designed to be flexible so that the catheter can bend but will not kink at body temperature); as to claim 45, (figs. 11 and 13); as to claims 46 and 47, (figs. 4-13); as to claim 73, (see above rejection; abstract and the entire specification).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 29 and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bertolero in view of Schiff U.S. Pat. No. 4,287,892.

Bertolero discloses an aortic catheter system substantially as claimed except for connectors that are 3/8 inch to ½ inch barb connectors for connection to a perfusion pump.

Schiff discloses barb connectors for connection to a pump. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Schiff to include a barb connector for respective coupling to a balloon catheter and any other tubular member coupled to a heart-lung machine (20). Additionally, it would have been an obvious matter of design choice to use various sizes of barbs, since such a modification would have involved a mere change in the size of a component. A change in size is generally recongnized as being within the level of ordinary skill in the art. In re Rose, 105 USPQ 237 (CCPA 1955).

Claims 29-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bertolero in view of Samson U.S. Pat. No. 6,267,747.

Bertolero discloses an aortic catheter system substantially as claimed except for connectors that are 3/8 inch to ¼ inch barb connectors for connection to a perfusion pump; said barb connector is coupled to a luer fitting.

Sampson discloses barb and luer connectors for connection to a pump. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Sampson to include a barb connector for respective coupling a balloon

catheter to a cardiopulmonary bypass machine or any other medical device (fig. 3, 4 and 17).

Additionally, it would have been an obvious matter of design choice to use various sizes of

barbs, since such a modification would have involved a mere change in the size of a component.

A change in size is generally recongnized as being within the level of ordinary skill in the art. In

re Rose, 105 USPQ 237 (CCPA 1955). Furthermore, the device of Bertolero is fully capable of

performing any function as disclosed by applicant.

Claim 37 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bertolero in view

of Keith et al U.S. Pat. No. 4,838,268.

Bertolero discloses an aortic catheter system substantially as claimed except for wherein

said balloon has a radiopaque marker positioned within said balloon. Keith discloses a

radiopaque marker positioned within the balloon (114). Therefore, it would have been obvious

to one of ordinary skill in the art at the time the invention was made to modify the device of

Bertolero with the radiopaque marker as disclosed by Keith for locating the balloon once placed

inside of the body (114).

Conclusion

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Kevin C. Sirmons whose telephone number is (703) 306-5410. The examiner can normally be reached on Monday - Thursday from 6:30 am to 4:00 pm. The

examiner can also be reached on alternate Fridays.

urin C. Sirmons

Kevin C. Sirmons Patent Examiner

4/2/04

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